

GP-302888

**METHOD AND APPARATUS FOR EXHAUST SOUND  
ATTENUATION ON ENGINES WITH CYLINDER DEACTIVATION**

**ABSTRACT OF THE DISCLOSURE**

A system for attenuating exhaust noise from an engine with a first group of active cylinders and a second group of deactivatable cylinders includes a first exhaust manifold connected to the first group of active cylinders and a second exhaust manifold connected to the second group of deactivatable cylinders. The second exhaust manifold is connected to the first exhaust manifold such that the second exhaust manifold acts as a resonator to attenuate sound from the first group of active cylinders when the second group of cylinders is deactivated.

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